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JP 05-005014 U

DETAILED DESCRIPTION

[Detailed explanation of a design]

[0001]

[Industrial Application]

This design is related with a compact case with the airtightness which contains the charge of makeup containing volatile components, such as creamy foundation.

[0002]

[Description of the Prior Art]

The sealing mechanism which seals the charge of makeup where a lid is closed was established so that a volatile component might not emit the compact case which contains the charge of makeup containing volatile components, such as creamy foundation, conventionally. Many composition which prepared packing which sticks to the circumference of the charge of makeup and seals the charge of makeup when a lid is closed in the undersurface of a lid as this sealing mechanism was used. However, since packing is stuck on the undersurface of a lid in this composition, the space of a mirror becomes small, and is by carrying out, and it is hard to use it. Then, the composition which hinged the lid while preparing packing between the lid and the vessel body which contained the charge of makeup is also proposed. When in this composition the undersurface of a lid can be used effective in the space of a mirror and a lid is closed, a lid pushes an inside lid and seals the charge of makeup.

[0003]

[Problem(s) to be Solved by the Device]

However, since it was stuck on the member hinged above the vessel body field with which packing contained the charge of makeup for above any composition, it did not contact uniformly [packing] to a vessel body, but packing which needs the hinge of packing for my sealing pressed, and it pushed more strongly than an amount, and has hit. This had spoiled airtight certainty. And since the portion of the repulsive force of packing which packing is strong and has hit was stronger, the repulsive force joined the hinge or the lid, and there was a danger that a hinge would be damaged or a lid would deform.

[0004]

[Means for Solving the Problem]

The charge receipt place 2 of makeup which contains the charge 1 of makeup at least is established in the upper surface of the vessel body 8 which the lid 5 hinged free [opening and closing]. In this vessel body 8, the inside lid 19 is constituted horizontally possible [opening] by supporting to revolve the axis of rotation 16 which hung from the edge of a lid 19 while covering the aforementioned charge receipt place 2 of makeup free [rotation] and free [vertical movement]. When a lid 5 is closed, the contact section 20 on which the inside lid 19 is horizontally pushed in contact with the undersurface of a lid 5 is formed in the upper surface of the inside [this] lid 19. Furthermore, when the inside lid 19 is pushed with a lid 5, the packing 21 which sticks to the circumference of the charge 1 of makeup, and seals the charge 1 of makeup is formed in the undersurface of the inside lid 19.

[0005]

[Function]

In the state where the lid 5 has closed, the undersurface of a lid 5 contacted the contact section 20 of the inside lid 19, and the inside lid 19 is pushed below. Consequently, the packing 21 of the inside lid 19 stuck to the circumference of the charge 1 of makeup uniformly, and has sealed the charge 1 of makeup in the charge receipt place 2 of makeup. Here, if a lid 5 is opened, the inside lid 19 will not be pushed and the charge 1 of makeup will no longer be sealed. And what is necessary is to expose the charge 1 of makeup and just to apply this by rotating the axis of rotation 16 for the inside lid 19 horizontally as a center. And if the lid 5 after use is closed, the undersurface of a lid 5 will contact the upper surface of the inside lid 19, and will carry out the depression of the inside lid 19 to a lower part. Since the axis of rotation 16 of the inside lid 19 is supported to revolve by the vessel body 8 free [rotation] and possible [vertical movement] at this time, it descends horizontally, and packing 21 contacts the circumference of the charge 1 of makeup uniformly, and the inside lid 19 seals the charge 1 of makeup.

[0006]

[Example]

Drawing explains this example. As for the compact case of this design, the flat-surface configuration is carrying out the shape of an abbreviation rectangle with a large aspect ratio, and the charge receipt place 2 of makeup which contains the charge 1 of makeup, and the application implement receipt place 4 which contains the application implement 3 are arranged in parallel. As for the lid 5, the mirror 6 is stuck on the whole inferior surface of tongue. Moreover, the hook 7 has hung in the nose-of-cam inferior surface of tongue of a lid 5. A vessel body 8 forms a ginglymus 9 and is hinging the lid 5 on the edge of a long side free [opening and closing]. The engagement projected part 10 held after the hook 7 of a lid 5 was engaged and the lid 5 has closed is formed in the point of this vessel body 8. Furthermore, the opening mechanism 11 in which it is arbitrary and engagement of this lid 5 can be canceled is established. In addition, you may form the hinge 9 of a vessel body 8 in a shorter side.

[0007]

The charge receipt place 2 of makeup and the application implement receipt place 4 penetrate up and down, and the vessel body 8 is drilled. This charge receipt place 2 of makeup and the application implement receipt place 4 serve as the almost same size, and are arranged from the center of the long side of a vessel body 8 at right and left. furthermore, the hinge 9 between the charge receipt place 2 of makeup, and the application implement receipt place 4 -- an alligator -- a bearing -- the hole 12 is drilled this bearing -- the vessel body 8 upper surface of a hole 12 serves as a minor diameter, and, as for opening of **, the bore constitutes the step 13 inside And a bottom plate 14 is attached firmly to the base of a vessel body 8, and it has become the base of the charge receipt place 2 of makeup, and the application implement receipt place 4 on it.

[0008]

While filling up with the charge 1 of makeup containing volatile components, such as creamy foundation, the pan 15 is kept in this charge receipt place 2 of makeup. Moreover, the application implements 3, such as a puff, are kept in the application implement receipt place 4. The bore is narrow, so that the wall of this application implement receipt place 4 goes up, and the upper surface edge of a vessel body 8 is smaller than the appearance of the application implement 3. Consequently, the charge 1 of makeup which the application implement 3 in the application implement receipt place 4 dropped out carelessly, and remained to the application implement 3 adheres to a mirror 6 or the circumference. However, since it is cast from sponge etc., the application implement 3 can be pinched easily.

[0009]

the aforementioned bearing -- the interior of the vertical sliding of the axis of rotation 16 is made free [rotation] and free to the hole 12 a flange 17 attaches around the soffit of this axis of rotation 16 -- having -- **** -- a bearing -- in contact with the step 13 of a hole 12, omission have become impossible in the upper part Furthermore, the spring 18 was pinched between the flange 17 and the bottom plate 14, the from cartridge of the axis of rotation 16 was carried out to the upper part, and the flange 17 is in contact with the step 13.

[0010]

The edge of the inside lid 19 is attached firmly to this axis of rotation 16. About 90-degree rotation of

the inside [this] lid 19 is attained focusing on the axis of rotation 16, if one side is rotated, it will cover the charge receipt place 2 of makeup, and if another side is rotated, it will cover the applicator receipt place 4. According to the no-load state 18, i.e., a spring, after the flange 17 has contacted the step 13, the from cartridge of the inside lid 19 is carried out to the upper part, and the upper surface of a vessel body 8 cannot be contacted, but it does not have any obstacle and can be rotated. The contact section 20 has projected in the center of an upper surface simultaneously of the inside lid 19. This contact section 20 contacts the undersurface of a lid 5, when a lid 5 is closed, the inside lid 19 is pushed below, and the inside lid 19 descends horizontally. Moreover, packing 21 is stuck on the undersurface of the inside lid 19. When the inside lid 19 is pushed and it descends with a lid 5, this packing 21 contacts uniformly the circumference of the charge receipt place 2 of makeup, and seals the inside of the charge receipt place 2 of makeup.

[0011]

if a lid 5 is opened at the time of use for the above composition -- the inside lid 19 -- the resiliency of a spring 18 -- the flange 17 of the axis of rotation 16 -- a bearing -- it goes up until it contacts the step 13 of a hole 12 And the application implement 3 is taken out from the application implement receipt place 4, the inside lid 19 is rotated in the direction of the application implement receipt place 4, and the charge 1 of makeup of the charge receipt place 2 of makeup is exposed. Moreover, if rotate the inside lid 19, the charge 1 of makeup is made to cover after use and a lid 5 is closed, the contact section 20 of the inside lid 19 is pushed in contact with the undersurface of a lid 5, while the inside lid 19 compresses a spring 18, it will descend horizontally, and packing 21 will stick to the circumference of the charge receipt place 2 of makeup uniformly, and the charge 1 of makeup will be sealed.

[0012]

In addition, although this design explained as an example the composition which has arranged the charge receipt place 2 of makeup, and the application implement receipt place 4 in parallel, the charge receipt place 2 of makeup and the application implement receipt place 4 can be carried out also to the composition arranged up and down. In this case, the application implement receipt place 4 is engraved on the undersurface of a lid 5, and it becomes the composition of laying the application implement 3 on the inside lid 19. And a mirror 6 is stuck on the ceiling side of the application implement receipt place 4, and the contact section 20 of the inside lid 19 is formed in the upper-limb section of a lid 19, while a lid 5 contacts.

[0013]

[Effect of the Device]

Since this design hung the axis of rotation 16 on the edge undersurface of a lid 19 as mentioned above while sealing the charge 1 of makeup, and this axis of rotation 16 was supported to revolve free [rotation] and possible [vertical movement] to the vessel body 8, the inside lid 19 rotates horizontally and, moreover, moves up and down horizontally.

And when a lid 5 is closed and the inside lid 19 is pushed below with a lid 5, the inside lid 19 descends horizontally and packing 21 sticks it to the circumference of the charge 1 of makeup uniformly.

Therefore, the airtightness of packing 21 can be raised. Furthermore, the force in which the inside lid 19 is pushed below can be effectively used for the sealing force of packing 21, and the press force of packing 21 can be lessened as a result. That is, the repulsive force of packing 21 becomes small and the danger of having a bad influence on the hinge 9 and lid 5 of a compact case decreases.

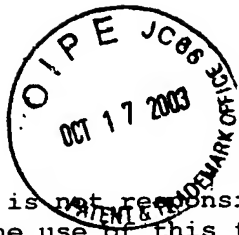
[0014]

In addition, the inside lid 19 does not become obstructive [at the time of applying] in order to move horizontally.

And composition which has arranged in parallel the composition stated in the example, i.e., the application implement receipt place 4 and the charge receipt place 2 of makeup, and supported the inside lid 19 to revolve in the middle of this application implement receipt place 4 and the charge receipt place 2 of makeup, If the inside lid 19 is rotated and the charge 1 of makeup is exposed after taking out the application implement 3, since it is located above the application implement receipt place 4, the inside lid 19 cannot be projected outside, but there is also no unnaturalness of 19 inside lid and it can use it.

Furthermore, the packing 21 which seals the charge 1 of makeup is formed in a lid 19, while being pushed with a lid 5, moreover, since the inside lid 19 can be rotated horizontally at the time of use, can stick a mirror 6 on the whole undersurface of a lid 5, and can be equipped with the mirror 6 of the size which is easy to use.

[Translation done.]



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CLAIMS

[Utility model registration claim]

A vessel body (8) and a lid (5) hinge free [opening and closing], and it sets to **** which established the charge receipt place of makeup (2) which contains the charge of makeup (1) at least in the upper surface of a vessel body (8), and is in this vessel body (8). By supporting to revolve the axis of rotation (16) which hung from the edge of a lid (19) while covering the aforementioned charge receipt place of makeup (2) free [rotation] and free [vertical movement] An inside lid (19) is constituted horizontally possible [opening]. in the upper surface of an inside lid (19) The contact section (20) on which an inside lid (19) is horizontally pushed in contact with the inferior surface of tongue of a lid (5) when a lid (5) is closed is prepared. in the inferior surface of tongue of an inside lid (19) A compact case with the airtightness characterized by preparing packing (21) which sticks to the circumference of the aforementioned charge of makeup (1), and seals the charge of makeup (1) when an inside lid (19) is pushed with a lid (5).

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] The partial cross-section perspective diagram of the compact case of this example.

[Drawing 2] (A), (B), and (C) are the sectional side elevation of the busy condition of the couso PAKUTO case of this example, respectively.

[Explanation of agreement]

1 Charge of Makeup

2 Charge Receipt Place of Makeup

5 Lid

8 Vessel Body

16 Axis of Rotation

19 Inside Lid

20 Contact Section

21 Packing

[Translation done.]



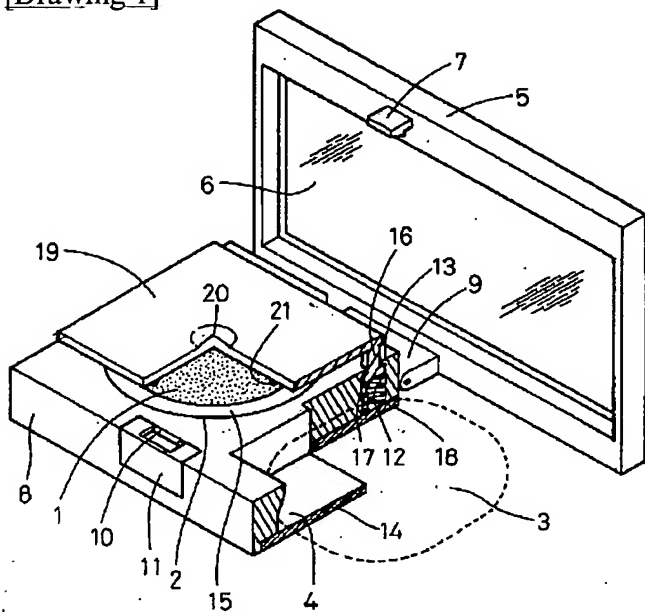
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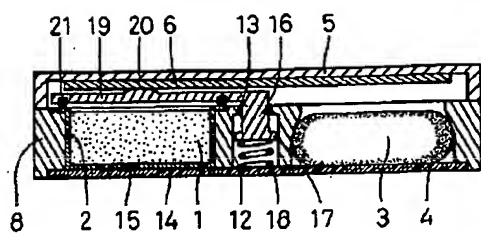
DRAWINGS

[Drawing 1]

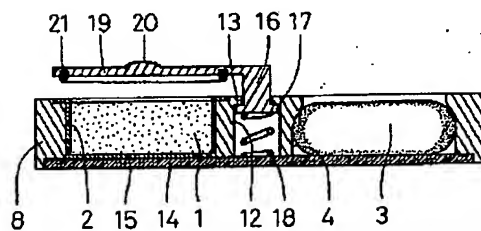


[Drawing 2]

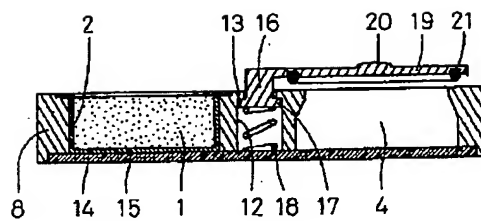
(A)



(B)



(C)



[Translation done.]